

# Safety Data Sheet

## MAGNAFLOC® E40

Revision date : 2012/01/16

Version: 1.0

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(30481951/SDS\_GEN\_US/EN)

### 1. Product and Company Identification

Use: flocculation agent

Company

BASF CORPORATION  
100 Campus Drive  
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP

### 2. Hazards Identification

Emergency overview

## CAUTION:

Irritating to eyes, respiratory system and skin.

## ASPIRATION HAZARD

Repeated or prolonged skin contact may cause allergic skin reactions in sensitive individuals.

Possible reproductive effects.

State of matter: liquid

Colour: white

Odour: ammonia-like

Potential health effects**Primary routes of exposure:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

**Acute toxicity:**

Harmful: may cause lung damage if swallowed.

No data available.

**Irritation / corrosion:**

Skin contact may result in irritation, defatting and dermatitis.

**Chronic toxicity:****Carcinogenicity:** The whole of the information available provides no indication of a carcinogenic effect.**Reproductive toxicity:** No data for product. No effects anticipated

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**Teratogenicity:** Contains component(s) at greater than 1% which is known to cause teratogenic effects.

**Genotoxicity:** No data was available concerning mutagenic activity. The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

**Signs and symptoms of overexposure:**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

**Potential environmental effects**

**Bioaccumulation / bioconcentration:**

Discharge into the environment must be avoided.

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
64742-47-8	20.0 - 40.0 %	Distillates (petroleum), hydrotreated light
68551-12-2	3.1 %	Alcohols, C12-16, ethoxylated
	3.1 %	Alcohols, C10-16, ethoxylated
9016-45-9	3.1 %	Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy-

### 4. First-Aid Measures

**General advice:**

Immediately remove contaminated clothing.

**If inhaled:**

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

**If on skin:**

Wash affected areas thoroughly with soap and water. Seek medical attention.

**If in eyes:**

Seek medical attention. Wash affected eyes for at least 15 minutes under running water with eyelids held open.

**If swallowed:**

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

**Note to physician**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

### 5. Fire-Fighting Measures

Flash point:	> 93 °C	
Autoignition:		not applicable
Self-ignition temperature:		not applicable

**Suitable extinguishing media:**

dry powder, carbon dioxide, alcohol-resistant foam

**Additional information:**

If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

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### **Hazards during fire-fighting:**

ammonia, carbon oxides, nitrogen oxides

Vapours may form explosive mixture with air. Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain the water used for extinguishing. Dispose of contaminated water and soil according to local regulations. Cool endangered containers with water-spray. Spilled product is slippery underfoot.

### **Protective equipment for fire-fighting:**

Wear a self-contained breathing apparatus.

### **Further information:**

Contain contaminated water/firefighting water. Cool endangered containers with water-spray. Forms slippery surfaces with water.

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## 6. Accidental release measures

### **Personal precautions:**

Use personal protective clothing. Keep people away and stay on the upwind side.

### **Environmental precautions:**

Do not discharge into drains/surface waters/groundwater.

### **Cleanup:**

Avoid sources of ignition. Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Collect waste in suitable containers, which can be labeled and sealed. Use common salt (sodium chloride) to aid removal of residues. Contain washwater and dispose of in accordance with local regulations. Dispose of absorbed material in accordance with regulations. Ensure adequate ventilation.

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## 7. Handling and Storage

### **Handling**

#### **General advice:**

Harmful vapours will collect in the container headspace. Avoid vapor formation. When using do not eat, drink or smoke. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid contact with skin and eyes. Avoid inhalation of mists/vapours. High risk of slipping due to leakage/spillage of product. Keep away from sources of ignition - No smoking. Avoid excessive temperatures. No smoking. Avoid open flames.

#### **Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame.

### **Storage**

#### **General advice:**

Do not store in mild steel containers.

Keep container tightly closed and dry; store in a cool place. Avoid all sources of ignition: heat, sparks, open flame. Protect against heat. Avoid extremes of temperature, especially frost and freezing conditions.

#### **Storage stability:**

Avoid extreme heat. Avoid freezing.

#### **Temperature tolerance**

Protect from temperatures below: 5 °C

Protect from temperatures above: 27 °C

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## 8. Exposure Controls and Personal Protection

### **Components with workplace control parameters**

Distillates (petroleum),

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hydrotreated light

ACGIH

TWA value 200 mg/m3 Non-aerosol (total hydrocarbon vapor);  
Application restricted to conditions in which there are negligible aerosol exposures.  
Skin Designation Non-aerosol (total hydrocarbon vapor);  
The substance can be absorbed through the skin.

### Advice on system design:

Ensure adequate ventilation.

### Personal protective equipment

#### Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Tightly fitting safety goggles (chemical goggles).

#### Body protection:

Impermeable protective clothing

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

Form:	liquid
Odour:	ammonia-like
Colour:	white
pH value:	approx. 7
Melting point:	approx. -18 °C
Boiling point:	> 100 °C
Density:	approx. 1.0 g/cm3 ( 20 °C)
% volatiles:	not determined
Solubility in water:	dispersible
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid electro-static discharge. Avoid all sources of ignition: heat, sparks, open flame. Avoid humidity.

### Substances to avoid:

reactive chemicals, oxidizing agents

### Hazardous reactions:

Stable under normal conditions.

No hazardous reactions known.

## 11. Toxicological information

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### Acute toxicity

#### Oral:

Type of value: LD50  
Species: rat  
Value: > 5,000 mg/kg

#### Inhalation:

Type of value: LC50  
Species: rat  
Value: > 20 mg/l

#### Dermal:

Type of value: LD50  
Species: rabbit  
Value: > 2,000 mg/kg

### Irritation / corrosion

#### Skin:

Species: rabbit  
Result: non-irritant

#### Eye:

Species: rabbit  
Result: Irritant.

#### Sensitization:

Result: Non-sensitizing.

### Repeated dose toxicity

Experimental/calculated data:  
Contains component(s) at greater than 1% which is a suspected endocrine disruptor.

#### Other Information:

Contains component(s) at greater than 1% which is a suspected endocrine disruptor.  
The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## 12. Ecological Information

### Fish

Acute:  
OECD 203; ISO 7346; 92/69/EEC, C.1 Brachydanio rerio/LC50 (96 h): > 100 mg/l

### Aquatic invertebrates

Acute:  
OECD Guideline 202, part 1 Daphnia magna/EC50 (48 h): > 100 mg/l

### Aquatic plants

Toxicity to aquatic plants:  
OECD Guideline 201 green algae (72 h): > 100 mg/l

### Degradability / Persistence

#### Biological / Abiological Degradation

Test method: OECD 301B; ISO 9439; 92/69/EEC, C.4-C  
Evaluation: Not readily biodegradable (by OECD criteria).

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### Other adverse effects:

Information on: Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy-  
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## 13. Disposal considerations

### Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater.

It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### Container disposal:

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

### RCRA:

Not a hazardous waste under RCRA (40 CFR 261).

## 14. Transport Information

### Land transport

USDOT

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

## 15. Regulatory Information

### VOC content:

not determined

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

#### OSHA hazard category:

Chronic target organ effects reported; ACGIH TLV established

#### EPCRA 311/312 (Hazard categories):

Not hazardous;

#### CERCLA RQ

5000 LBS

#### CAS Number

79-06-1

#### Chemical name

acrylamide

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### State regulations

#### State RTK

MA, NJ, PA

#### CAS Number

64742-47-8

#### Chemical name

Distillates (petroleum), hydrotreated light

#### **CA Prop. 65:**

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

## 16. Other Information

#### **NFPA Hazard codes:**

Health : 2      Fire: 1      Reactivity: 0      Special: -

#### **HMIS III rating**

Health: 2<sup>+</sup>      Flammability: 1      Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

#### **MSDS Prepared by:**

BASF NA Product Regulations

msds@basf.com

MSDS Prepared on: 2012/01/16

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Due to the merger of CIBA and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us at the address mentioned in Section I.

END OF DATA SHEET